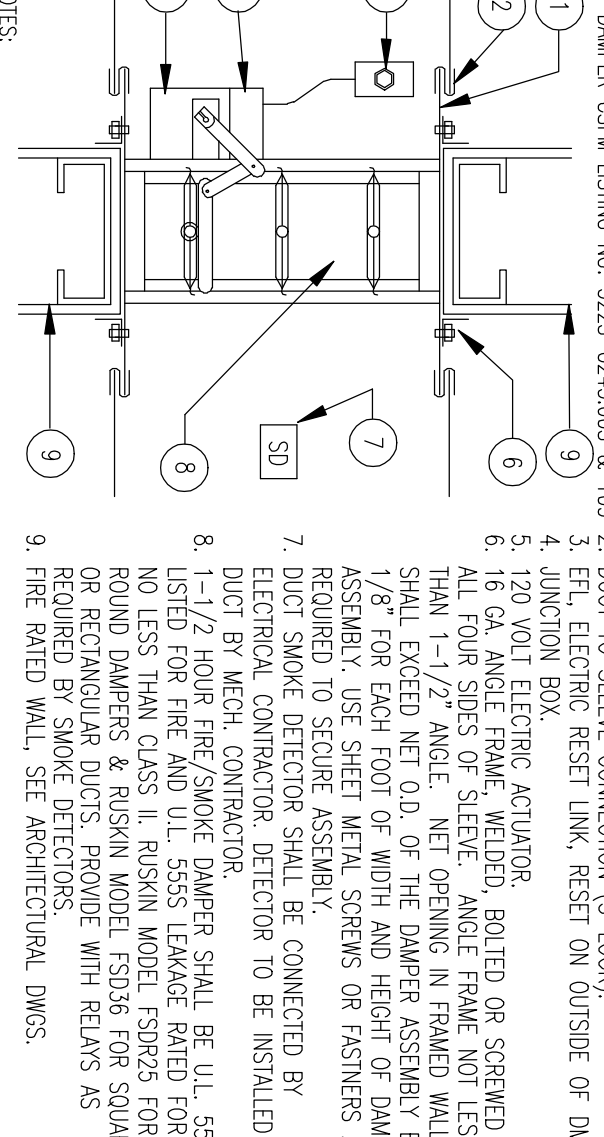
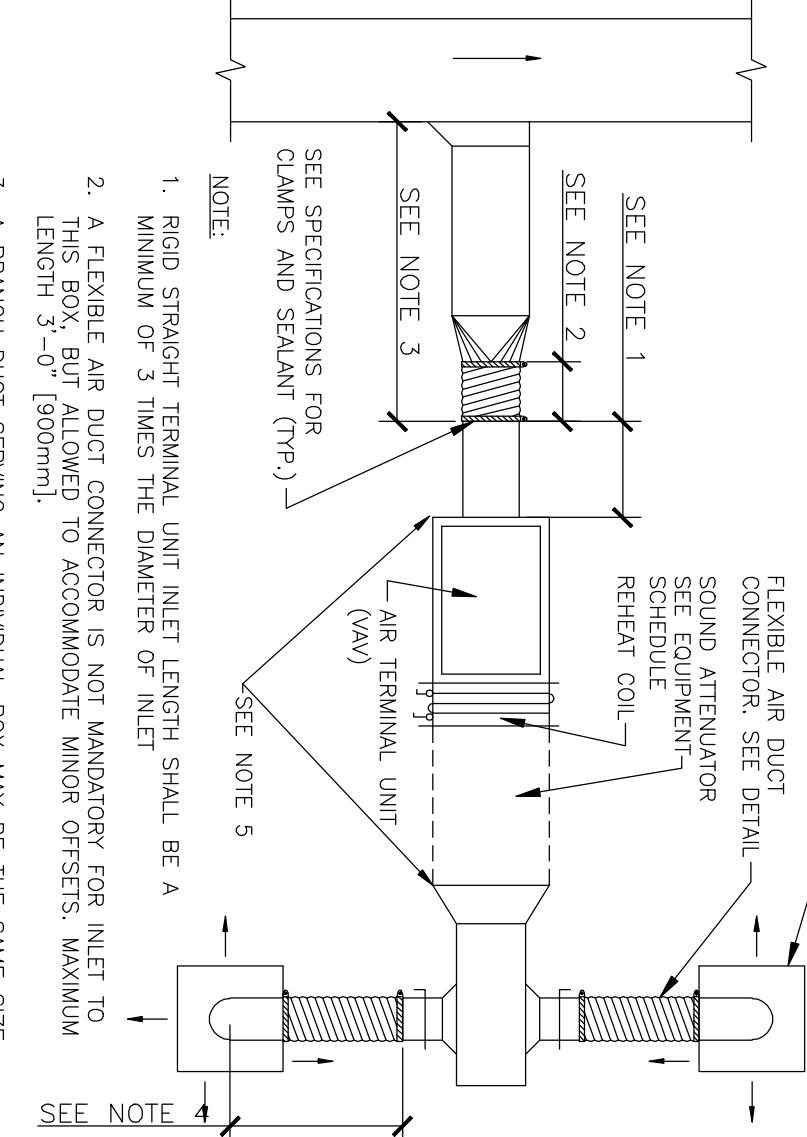


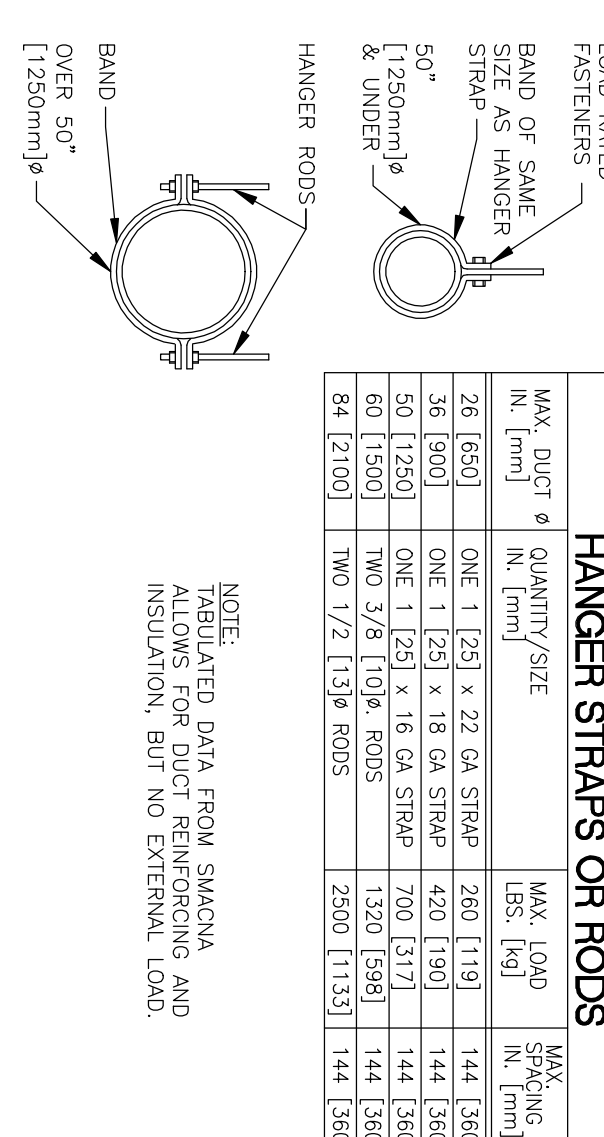
- 19 FAN COIL UNIT - HORIZONTAL CONCEALED**  
N/S
80. DAMPER CSAM USING NO. 3225-02425107 & 108 1. SEWER TO EXTEND 3\"/>



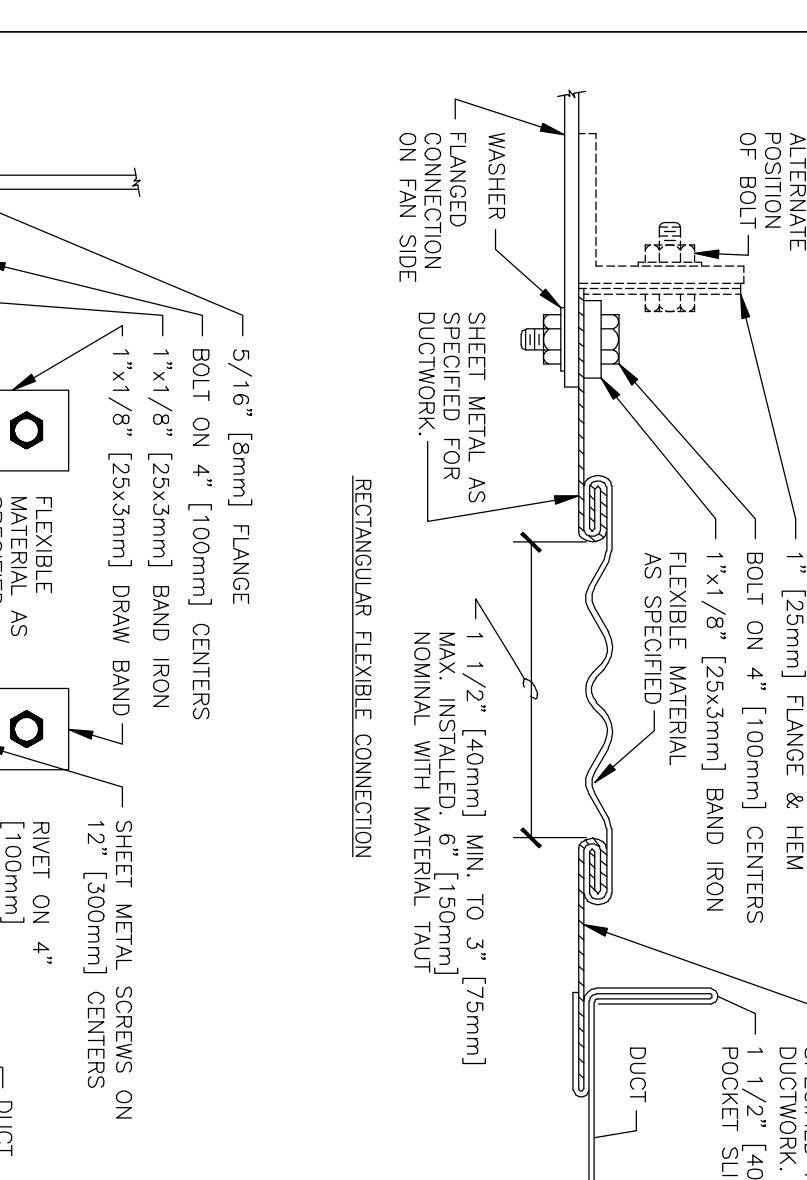
- 20 COMBINATION FIRE/SMOKE DAMPER**  
N/S
1. FIRE DAMPER & INSULATION TO BE IN ACCORDANCE WITH CALIFORNIA STATE FIRE MARSHAL'S LISTED APPROVED, 2. FIRE DAMPER SHALL BE SIZED PER MANUFACTURER'S AND INSTALLED STRICTLY PER MFG'S PRINTED INSTRUCTIONS, 3. SET SCHEDULES FOR SUPPLY & RETURN PIPING CONNECTIONS, 4. RELEASE ACCESS PANELS SHALL BE REMOVED IN ALL CRUSH BOMB TESTS FOR FIRE DAMPER ACCESS, 5. FIRE DAMPER DETECTOR REFERENCE ONLY.



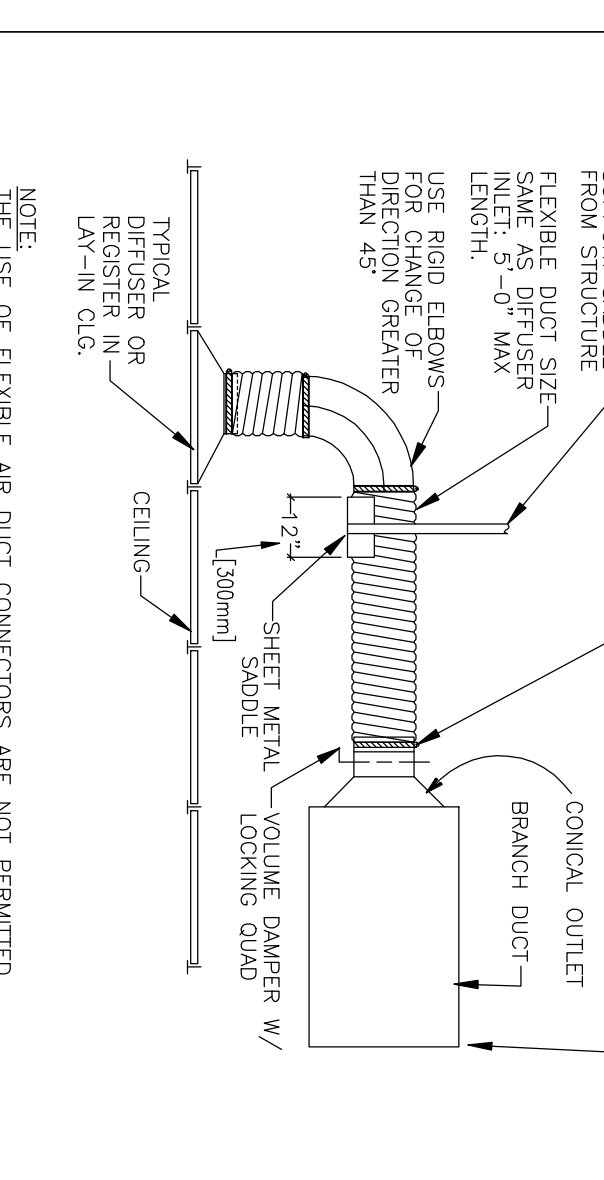
- 16 ROUND DUCT HANGERS**  
N/S
1. ROUND STRONG TERMINAL UNIT MUST BE USED. LENGTH SHALL BE A MINIMUM OF 12\"/>



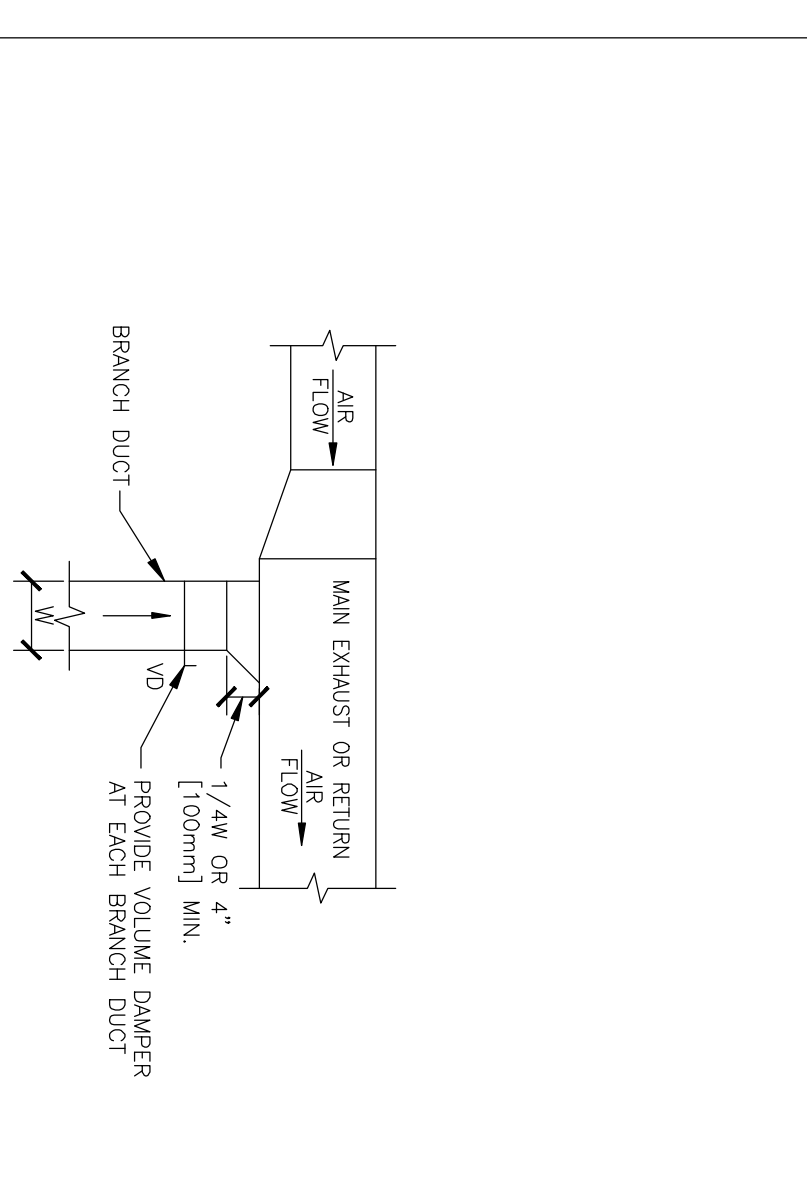
- 15 DUCT CONNECTIONS - AIR TERMINAL UNITS**  
N/S
1. ROUND STRONG TERMINAL UNIT MUST BE USED. LENGTH SHALL BE A MINIMUM OF 12\"/>



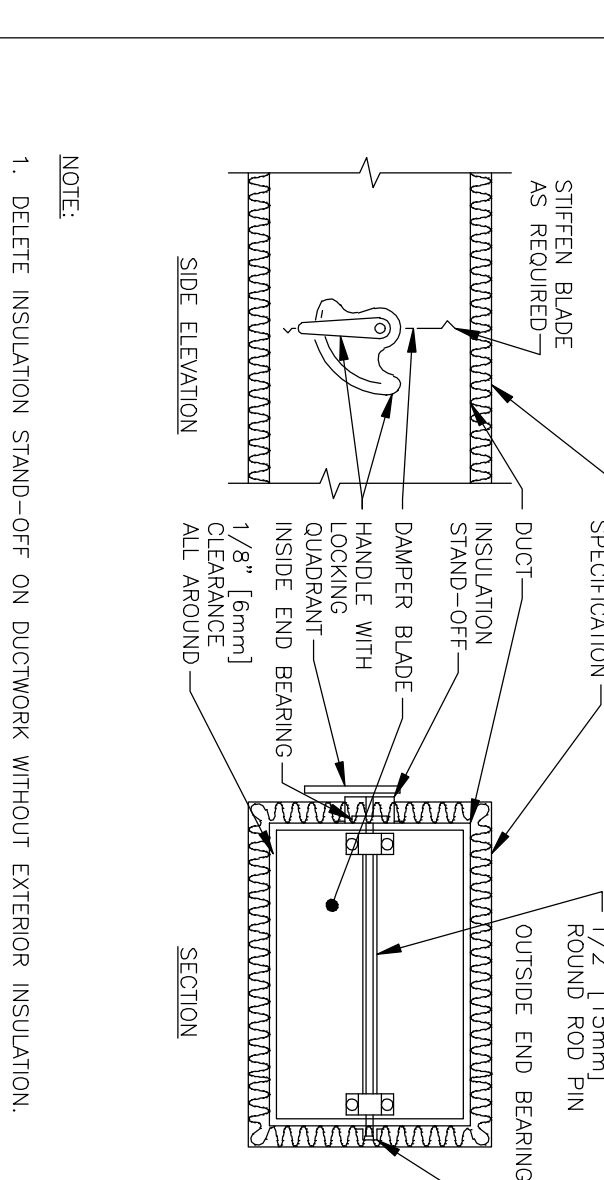
- 14 ODU/ERV ROOF MOUNTING**  
N/S
1. ODU OR ERV ON ROOF, 2. (2) 1/2\"/>



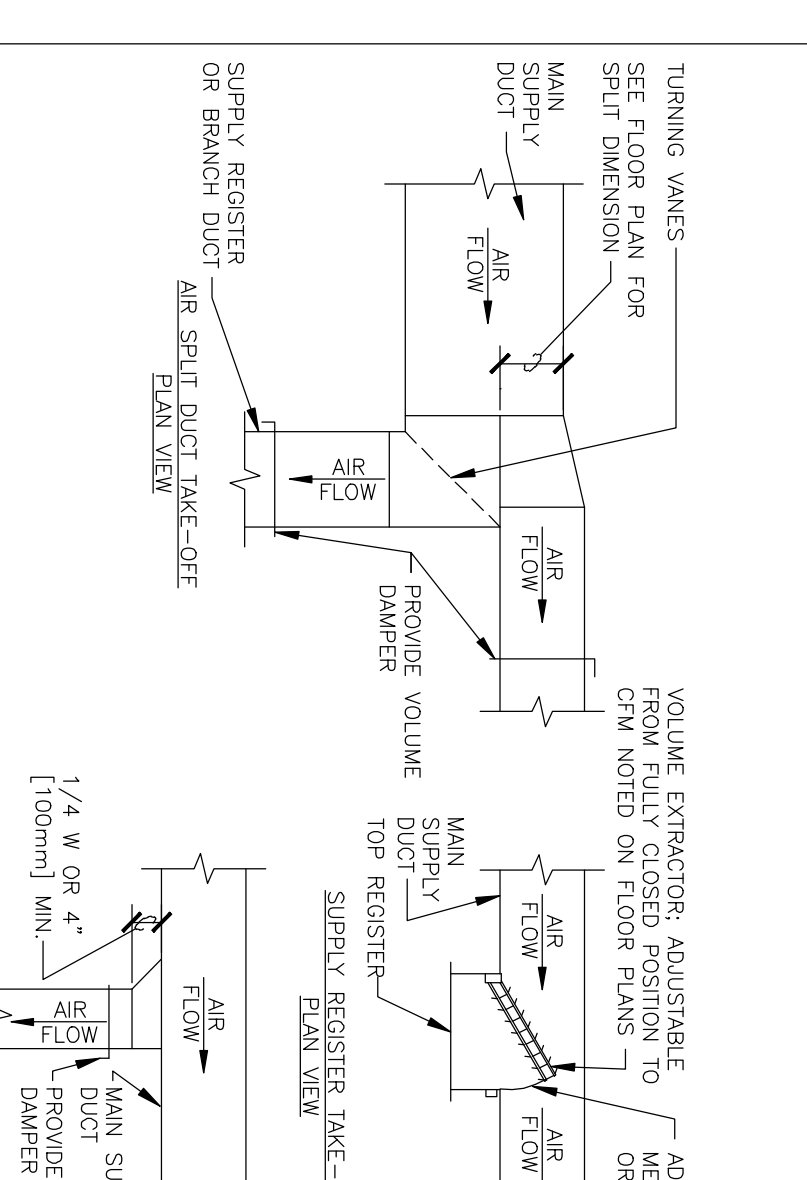
- 12 FLEXIBLE AIR DUCT CONNECTOR**  
N/S
1. ROUND STRONG TERMINAL UNIT MUST BE USED. LENGTH SHALL BE A MINIMUM OF 12\"/>



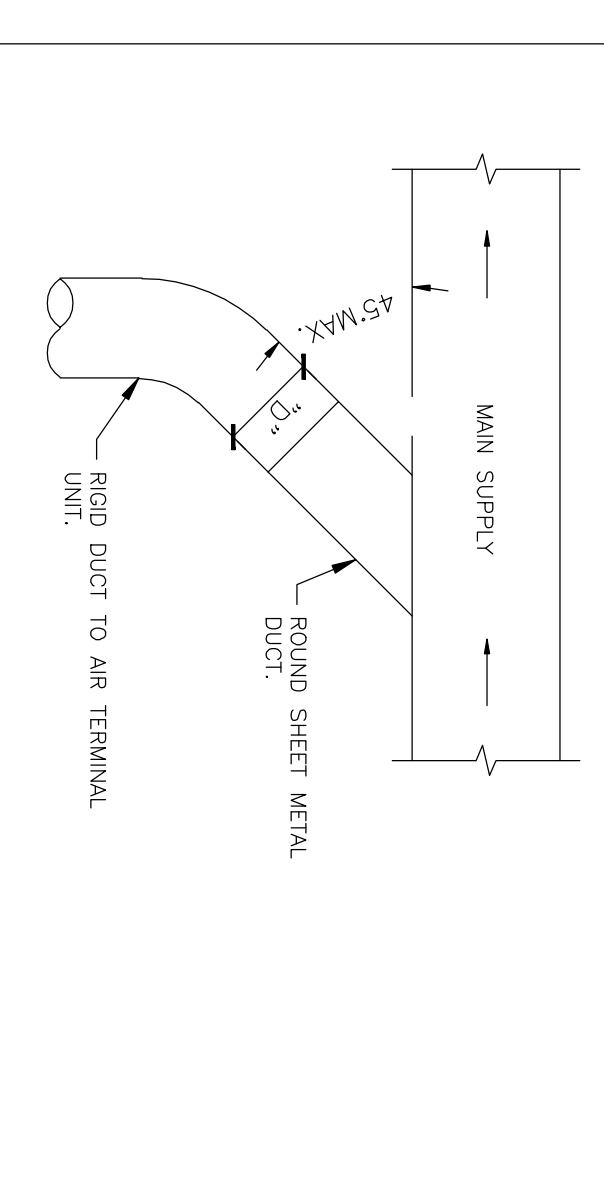
- 7 EXHAUST OR RETURN BRANCH DUCTWORK**  
N/S
1. EXHAUST OR RETURN BRANCH DUCTWORK SHALL BE SIZED PER MANUFACTURER'S AND INSTALLED STRICTLY PER MFG'S PRINTED INSTRUCTIONS, 2. EXHAUST OR RETURN BRANCH DUCTWORK SHALL BE SIZED PER MANUFACTURER'S AND INSTALLED STRICTLY PER MFG'S PRINTED INSTRUCTIONS, 3. EXHAUST OR RETURN BRANCH DUCTWORK SHALL BE SIZED PER MANUFACTURER'S AND INSTALLED STRICTLY PER MFG'S PRINTED INSTRUCTIONS, 4. EXHAUST OR RETURN BRANCH DUCTWORK SHALL BE SIZED PER MANUFACTURER'S AND INSTALLED STRICTLY PER MFG'S PRINTED INSTRUCTIONS.



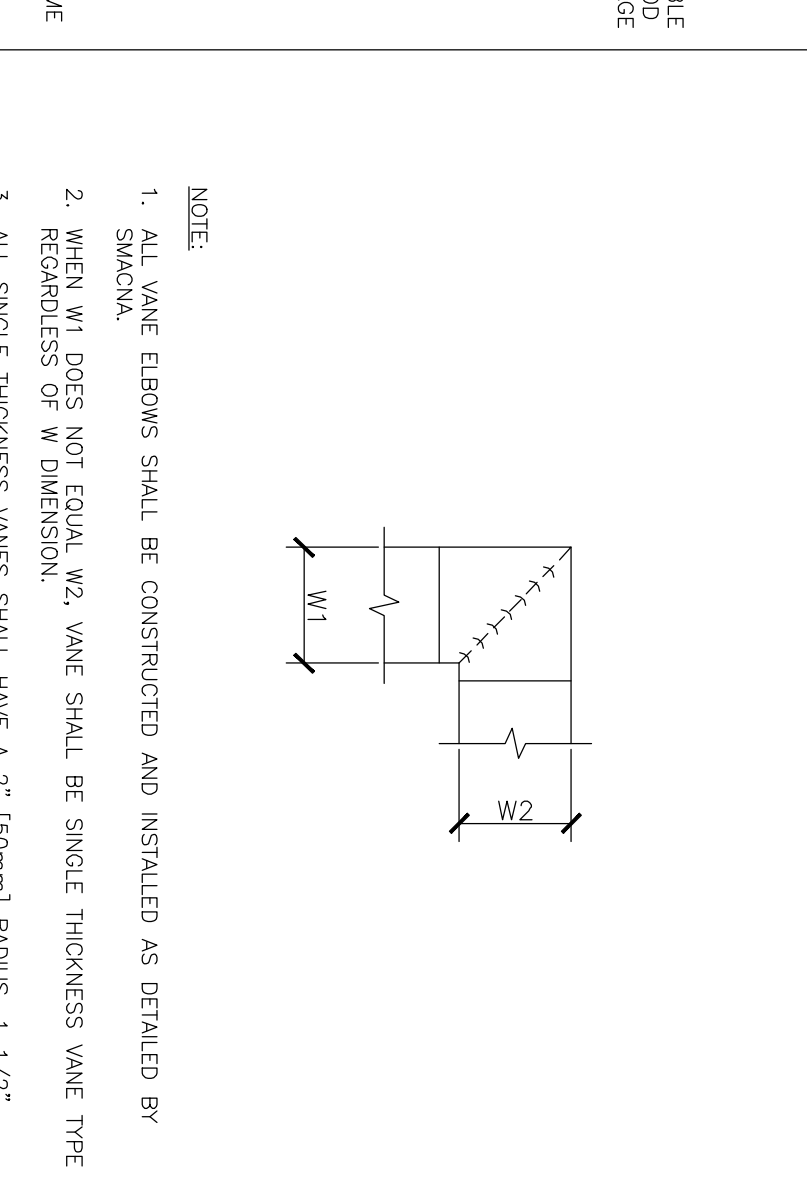
- 8 VOLUME DAMPER DETAIL**  
N/S
1. DETAIL INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION, 2. DETAIL SHOWS SINGLE BLADE DAMPER, DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.



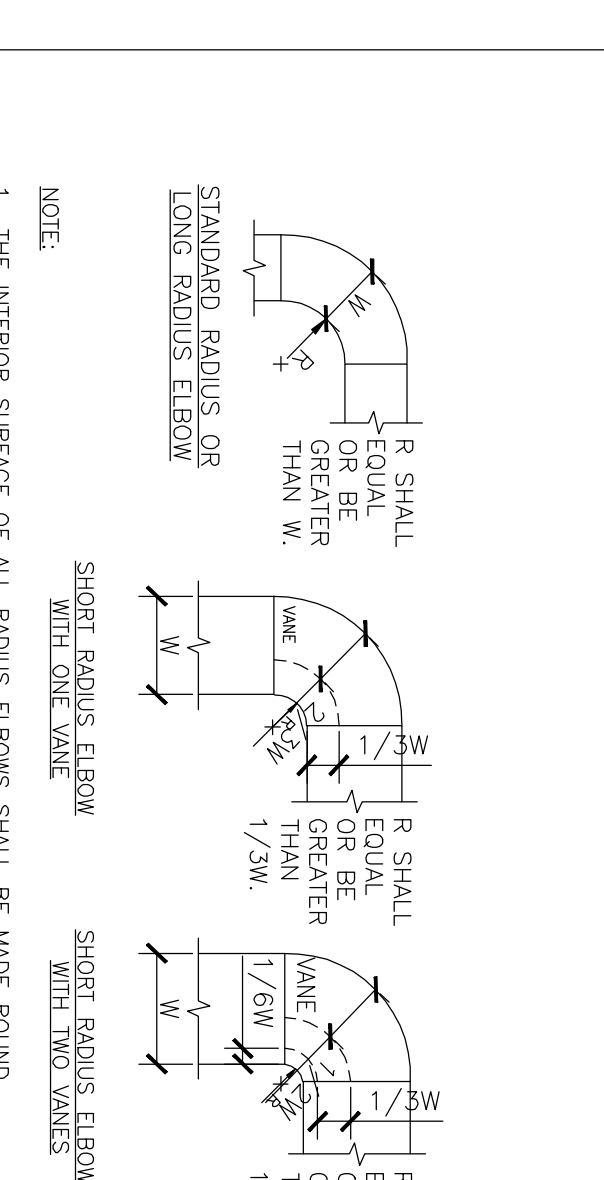
- 4 SUPPLY DUCTWORK TAKE-OFFS**  
N/S
1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAIL BY SHAWM, 2. WHEN W/ DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE CONSTRUCTED OF W/ DIMENSION, SHALL HAVE A 2\"/>



- 5 SUPPLY DUCT TAKEOFF - AIR TERMINAL UNIT**  
N/S
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND, 2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SHAWM.



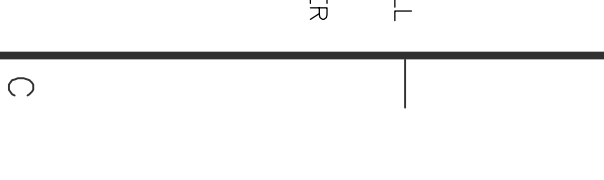
- 1 DUCTWORK SQUARE VANE ELBOWS**  
N/S
1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAIL BY SHAWM, 2. WHEN W/ DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE CONSTRUCTED OF W/ DIMENSION, SHALL HAVE A 2\"/>



- 2 DUCTWORK RADIUS ELBOWS**  
N/S
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND, 2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SHAWM.



- 3 DUCTWORK TRANSITIONS**  
N/S
- UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.



- 6 ALTERNATE SUPPLY DUCT TAKEOFF - AIR TERMINAL UNITS**  
N/S
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND, 2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SHAWM.



- 9 DUCTWORK SQUARE VANE ELBOWS**  
N/S
1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAIL BY SHAWM, 2. WHEN W/ DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE CONSTRUCTED OF W/ DIMENSION, SHALL HAVE A 2\"/>



- 10 ACCESS SECTION FOR ROUND/OVAL DUCT**  
N/S
1. ODU OR ERV ON ROOF, 2. (2) 1/2\"/>



- 11 FLEXIBLE DUCT CONNECTIONS**  
N/S
1. ROUND STRONG TERMINAL UNIT MUST BE USED. LENGTH SHALL BE A MINIMUM OF 12\"/>



- 12 FLEXIBLE AIR DUCT CONNECTOR**  
N/S
1. ROUND STRONG TERMINAL UNIT MUST BE USED. LENGTH SHALL BE A MINIMUM OF 12\"/>



- 13 POWER ROOF VENTILATOR**  
N/S
1. PROVIDE A MOTORIZED DAMPER, IF APPLICABLE, 2. PROVIDE DRAIN PANS FOR LOCATIONS NOT LESS THAN 2\"/>



- 14 ODU/ERV ROOF MOUNTING**  
N/S
1. ODU OR ERV ON ROOF, 2. (2) 1/2\"/>



- 15 DUCT CONNECTIONS - AIR TERMINAL UNITS**  
N/S
1. ROUND STRONG TERMINAL UNIT MUST BE USED. LENGTH SHALL BE A MINIMUM OF 12\"/>



- 16 ROUND DUCT HANGERS**  
N/S
1. ROUND STRONG TERMINAL UNIT MUST BE USED. LENGTH SHALL BE A MINIMUM OF 12\"/>



- 17 PIPE HANGERS**  
N/S
1. HANG WITH WIRE, AIR KEY AND 1/2\"/>



- 18 CHILLED/HOT WATER COIL PIPING**  
N/S
1. HANG WITH WIRE, AIR KEY AND 1/2\"/>



- 19 FAN COIL UNIT - HORIZONTAL CONCEALED**  
N/S
80. DAMPER CSAM USING NO. 3225-02425107 & 108 1. SEWER TO EXTEND 3\"/>



- 20 COMBINATION FIRE/SMOKE DAMPER**  
N/S
1. FIRE DAMPER & INSULATION TO BE IN ACCORDANCE WITH CALIFORNIA STATE FIRE MARSHAL'S LISTED APPROVED, 2. FIRE DAMPER SHALL BE SIZED PER MANUFACTURER'S AND INSTALLED STRICTLY PER MFG'S PRINTED INSTRUCTIONS, 3. SET SCHEDULES FOR SUPPLY & RETURN PIPING CONNECTIONS, 4. RELEASE ACCESS PANELS SHALL BE REMOVED IN ALL CRUSH BOMB TESTS FOR FIRE DAMPER ACCESS, 5. FIRE DAMPER DETECTOR REFERENCE ONLY.